

## NASA Sixth Year IUE Programs

Competition for observing time with the IUE was stiffer than ever during the proposal and peer review cycles for the sixth episode. The review process culminated in the approval of a record number of 207 NASA programs, 187 of which involve observing time and 20 of which will use existing, archival data only.

Table I presents a breakdown, by episode and research area of the first six years of NASA supported IUE science. It also shows the steady year-by-year increase in proposal competition and scientist involvement in approved programs. During the sixth year 287 different scientists will be active as Principal Investigators (PIs) or Co-Investigators (Co-Is) on NASA IUE programs. This year, thirty scientists are IUE program PIs for the first time. (For the fifth episode there were 22 first-time PIs). Just under half of the new episode's first-time PIs have been Co-Is on previous programs. The names of the new PIs and their institutions are given in Table II.

A complete list of sixth episode NASA IUE programs follows the two tables. Following the NASA list is a list of sixth year programs awarded observing time at VILSPA by the European Allocation Committee which reviewed proposals submitted to ESA and the SERC.

Keith Kalinowski

TABLE I.

## DISTRIBUTION OF IUE/NASA SCIENCE PROGRAMS (%)

	<u>First Year</u>	<u>Second Year</u>	<u>Third Year</u>	<u>Fourth Year</u>	<u>Fifth Year</u>	<u>Sixth Year</u>
<u>STELLAR</u>						
Hot Stars	32	11	20	19	12	15
Cool Stars	14	14	14	16	15	17
Cataclysmic Variables	5	8	12	9	7	7
Other Variables, Binaries	8	10	12	12	22	15
	<u>59</u>	<u>43</u>	<u>58</u>	<u>56</u>	<u>56</u>	<u>54</u>
<u>INTERSTELLAR</u>						
Gas	10	9	6	5	2	10
Dust	-	7	2	5	4	4
Nebulae	3	9	5	5	9	7
S-N Remnants	2	5	3	4	2	2
	<u>15</u>	<u>30</u>	<u>16</u>	<u>19</u>	<u>17</u>	<u>23</u>
<u>EXTRAGALACTIC</u>						
Normal Galaxies	4	8	4	5	6	4
Other Sources	11	9	12	13	14	13
	<u>15</u>	<u>17</u>	<u>16</u>	<u>18</u>	<u>20</u>	<u>17</u>
<u>SOLAR SYSTEM</u>						
Planets	5	3	5	2	3	3
Satellites	1	2	2	2	<2	<1
Asteroids	1	2	1	1	<1	<1
Comets	4	3	2	2	<2	<2
	<u>11</u>	<u>10</u>	<u>10</u>	<u>7</u>	<u>7</u>	<u>6</u>
Successful Proposals	59	109	126	148	162	207
Total Submitted	79	174	178	232	253	309
Unique PIs'	53	91	98	112	107	124
Total Scientists	85	182	219	257	266	287
PI Institutions	33	52	51	56	55	63

TABLE II.

NASA SIXTH YEAR IUE PROGRAMS  
NEW PRINCIPAL INVESTIGATORS

**Agrawal, Prahlad C.	Tata Inst. of Fund. Res.	*Moore, Richard L.	CIT
Ahmad, Imad A.	Imad-Ad-Dean, Inc.	***Nousek, John A.	Penn. State
**Basri, Gibor S.	Berkeley	*Oliversen, Nancy A.	CSC
**Brown, Douglas N.	Washington	*Reichert, Gail A.	GSFC
**+Brugel, Edward W.	LASP	**Rudy, Richard J.	Arizona
Cohen, Ross D.	UCSD	**Shipman, Harry L.	Delaware
*+Cowley, Charles R.	Michigan	*Sonneborn, George	CSC
+Fang Li Zhi	CFA, Univ. of Sci. & Tech. of China	**+Stoner, Ronald E.	Bowling Green
**Garmany, Catherine D.	Colorado	*Sturch, Conrad R.	CSC
*Holberg, Jay B.	USC-Arizona	**Torres-Peimbert, Sylvia	UNA de Mexico
*Honeycutt, R. Kent	Indiana	+Waldron, Wayne	Delaware
Keel, William C.	KPNO	Weedman, Daniel W.	Penn. State
Kriss, Gerard	Michigan	*Wootten, H. Alwyn	NRAO
***Margon, Bruce	Washington	*Zinn, Robert	Yale
*Miller, Joseph S.	UCSC	**Zolcinski, Marie-Christine	W. Connecticut St.

- \*Has co-investigator(s) with IUE experience
- \*\*Has previous IUE experience as a co-investigator
- \*\*\*Had a previous discretionary time program
- +Archival research program

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 NASA APPROVED IUE PROGRAMS FOR THE SIXTH YEAR
 

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NAME	INSTITUTION	COUNTRY	PROG ID	
A'HEARN	MICHAEL F.	MARYLAND	U. S.	STFMA
SOLAR ANALOGS FOR CALIBRATION OF REFLECTIVITIES OF BODIES IN THE SOLAR SYSTEM				
A'HEARN	MICHAEL F.	MARYLAND	U. S.	SCFMA
COMETS AS TARGETS OF OPPORTUNITY				
ADELMAN	SAUL J.	CITADEL	U. S.	HSFSA
ELEMENTAL ABUNDANCES IN SHARP-LINED LATE B AND EARLY A STARS				
AGRAWAL	PRAHLAD C.	TATA INST.	INDIA	CVFPA
ULTRAVIOLET OBSERVATIONS OF NEWLY DISCOVERED AM HERCULIS-LIKE X-RAY BINARY HO139-68				
AHMAD	IMAD A.	IMAD-AD-DEAN	U. S.	VVFIA
SECONDARY MINIMA OF ZETA AURIGAE BINARIES				
AKE	THOMAS B., III	CSC	U. S.	VVFTA
FURTHER ECLIPSE OBSERVATIONS OF EPSILON AURIGAE				
ALLER	LAWRENCE H.	CAL LA	U. S.	NPFLA
STRUCTURE OF AND ABUNDANCES IN HIGH-EXCITATION PLANETARIES				
AYRES	THOMAS R.	COLORADO-LASP	U. S.	LGFTA
HIGH-DISPERSION OBSERVATIONS OF ALPHA BOOTIS				
AYRES	THOMAS R.	COLORADO-LASP	U. S.	STFTA
SME AND IUE: THE SOLAR-STELLAR CONNECTION				
AYRES	THOMAS R.	COLORADO-LASP	U. S.	LDFTA
CAPELLA HL				
AYRES	THOMAS R.	COLORADO-LASP	U. S.	CCFTA
THE HYDROGEN EMISSION OF ACTIVE RED DWARFS				
AYRES	THOMAS R.	COLORADO-LASP	U. S.	CSFTA
DETERMINATION OF ABSOLUTE VELOCITIES FOR EMISSION LINES OF LATE-TYPE STARS				
BALIUNAS	SALLIE L.	CFA - SAO	U. S.	LGFSB
VERTICAL STRUCTURE OF THE ATMOSPHERES OF ACTIVE G-GIANT STARS				
BARKER	PAUL K.	W. ONTARIO	CANADA	BEFPB
ENVELOPE EJECTION BY ACTIVE BE STARS				
BARKER	PAUL K.	W. ONTARIO	CANADA	MLFPB
SUPERIONIZED WINDS AND H ALPHA EMISSION IN QUIESCENT BE STARS				

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 NASA APPROVED IUE PROGRAMS FOR THE SIXTH YEAR
 

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NAME		INSTITUTION	COUNTRY	PROG ID
TITLE				
BARKER	TIMOTHY	WHEATON	U. S.	NPFTB
THE IONIZATION STRUCTURE OF PLANETARY NEBULAE				
BASRI	GIBOR S.	CAL BERKELEY	U. S.	IGFGB
AN ABSORPTION LINE STUDY OF HIGH LATITUDE DIFFUSE CLOUDS				
BLAIR	WILLIAM P.	CFA - SAO	U. S.	NSFWB
CARBON ABUNDANCE IN M33 AND M31 FROM SUPERNOVA REMNANTS				
BOGGESS	ALBERT	GSFC	U. S.	QSFAB
UV OBSERVATIONS OF SEYFERT GALAXIES				
BOGGESS	ALBERT	GSFC	U. S.	HZFAB
AN ATTEMPT TO DETECT INTERGALACTIC HELIUM IN A HIGH-Z QUASAR SPECTRUM				
BOHM	KARL-HEINZ	WASH.	U. S.	CSFKB
THE ENVIRONMENT OF THE COHEN-SCHWARTZ STAR				
BOHM	KARL-HEINZ	WASH.	U. S.	IMFKB
INTERSTELLAR ABSORPTION AND EXTINCTION				
BOHM-VITENSE	ERIKA	WASH.	U. S.	CCFEB
CHROMOSPHERIC EMISSION OF CLOSE BINARIES WITH NONSYNCHRONIZED ORBITAL & ROTATIONAL PERIODS				
BOHM-VITENSE	ERIKA	WASH.	U. S.	HCFEB
CEPHEID COMPANIONS AND MASSES				
BOHM-VITENSE	ERIKA	WASH.	U. S.	LGFEF
WHITE DWARF COMPANIONS AND CHROMOSPHERES OF STARS WITH PECULIAR ELEMENT ABUNDANCES				
BOND	HOWARD E.	LOUISIANA ST.	U. S.	NPFHB
ULTRAVIOLET OBSERVATIONS OF CLOSE-BINARY AND PULSATING NUCLEI OF PLANETARY NEBULAE				
BOND	HOWARD E.	LOUISIANA ST.	U. S.	HCFHB
A SEARCH FOR WHITE-DWARF COMPANIONS OF SUBGIANT CH STARS				
BOWYER	C. STUART	CAL BERKELEY	U. S.	WDFCB
CONTINUING STUDIES OF HOT WHITE DWARFS AND THE LOCAL ISM				
BOWYER	C. STUART	CAL BERKELEY	U. S.	SPFCB
OBSERVATIONS OF H LY ALPHA EMISSION FROM NEPTUNE				
BOWYER	C. STUART	CAL BERKELEY	U. S.	SUFCB
OBSERVATIONS OF H LY ALPHA EMISSION FROM URANUS				

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 NASA APPROVED IUE PROGRAMS FOR THE SIXTH YEAR
 

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NAME	INSTITUTION	COUNTRY	PROG ID
BOWYER C. STUART FAR UV SPECTROSCOPY OF X-RAY ACTIVE GALACTIC NUCLEI	CAL BERKELEY	U. S.	XGFCB
BOWYER C. STUART SEARCH FOR EMISSION LINES IN THE GASEOUS HALO OF EDGE-ON GALAXIES	CAL BERKELEY	U. S.	EHFCB
BOWYER C. STUART FAR UV SPECTROSCOPY OF THE OPTICAL EMISSION KNOTS IN THE INNER JET OF CEN A	CAL BERKELEY	U. S.	NJFCB
BROWN DOUGLAS N. MASS LOSS AND PHOTOSPHERIC STRUCTURE IN EARLY-TYPE SPECTRUM VARIABLES	WASH.	U. S.	HEFDB
BRUGEL EDWARD W. ANALYSIS OF THE SYMBIOTIC STARS V1016 CYG, HM SGE AND V1329 CYG	COLORADO-LASP	U. S.	IBFEB
BRUHWEILER FREDERICK C. AN ULTRAVIOLET SEARCH FOR HIGH VELOCITY GAS AT HIGH GALACTIC LATITUDES	CSC	U. S.	GHFFB
BRUHWEILER FREDERICK C. MASS LOSS AND RADIATIVE LEVITATION IN HOT WHITE DWARFS	CSC	U. S.	WDFFB
BRUHWEILER FREDERICK C. THE LYMAN ALPHA ABSORPTION FOREST IN QSO'S OF INTERMEDIATE REDSHIFT	CSC	U. S.	EHFFB
CALDWELL JOHN IUE SOLAR SYSTEM OBSERVATIONS. I. URANUS AND NEPTUNE BELOW 2000 ANGSTROMS	STONY BROOK	U. S.	SPFJC
CALDWELL JOHN IUE SOLAR SYSTEM OBSERVATIONS. II. SATURN'S RINGS	STONY BROOK	U. S.	SSFJC
CALDWELL JOHN IUE SOLAR SYSTEM OBSERVATIONS .IV. CHEMICAL COMPOSITION AT JUPITER'S POLES	STONY BROOK	U. S.	SJFJC
CHAPMAN ROBERT D. PHYSICS OF THE CIRCUMSTELLAR ENVELOPE, ACCRETION DISK & SECONDARY COMPANION IN EPSILON AUR	GSFC	U. S.	VVFCB
CODE ARTHUR D. A STUDY OF REDDENING IN GALACTIC SYMBIOTIC STARS	WISCONSIN	U. S.	IEFAC
COHEN ROSS D. HYDROGEN LINE RATIOS IN THE NARROW-LINE REGIONS OF ACTIVE GALAXIES	CAL SAN DIEGO	U. S.	QSFCB
CONTI PETER S. STELLAR WINDS IN THE MAGELLANIC CLOUDS	COLORADO	U. S.	MLFPC

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 NASA APPROVED IUE PROGRAMS FOR THE SIXTH YEAR
 

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NAME	INSTITUTION	COUNTRY	PROG ID	
TITLE				
CONTI	PETER S.	COLORADO	U. S.	WRPFC
UV SPECTRAL VARIATIONS OF HD 50896 (WN 5+?)				
COWLEY	CHARLES R.	MICHIGAN	U. S.	HSFCC
SUPERFICIALLY NORMAL EARLY B STARS WITH SHARP SPECTRAL LINES				
DAVIDSON	KRIS	MINNESOTA	U. S.	EGFKD
UV SPECTROSCOPY OF TWO SPECIAL EXTRAGALACTIC OBJECTS				
DEAN	CHARLES A.	S M SYSTEMS	U. S.	MLFCD
SHARP LINE DISPLACED FEATURES IN O SUBDWARFS: A SECOND MASS LOSS MECHANISM?				
DOSCHEK	GEORGE A.	NRL	U. S.	HSFGD
THE BEST POSSIBLE UV LINE LIST FROM RR TEL				
DRILLING	JOHN S.	LOUISIANA ST.	U. S.	HSFJD
ULTRAVIOLET SPECTROSCOPY OF SUBLUMINOUS O STARS				
DUFOUR	REGINALD J.	RICE	U. S.	NDFRD
HIGH DISPERSION IUE OBSERVATIONS OF METAL-POOR H II REGIONS - II				
DUPREE	ANDREA K.	CFA - SAO	U. S.	OSFAD
ULTRAVIOLET VARIABILITY OF THE DOUBLE QSO Q0957+561				
DUPREE	ANDREA K.	CFA - SAO	U. S.	CCFAD
CHROMOSPHERES IN METAL DEFICIENT GIANTS				
FANG	LI ZHI	CFA-S&T CHINA	CHINA	QSFLF
UV OBSERVATIONS OF CIV EMISSION LINES FOR LOW REDSHIFT QSOS				
FEIBELMAN	WALTER A.	GSFC	U. S.	NPFWF
OBSERVATIONS OF THE BIPOLAR PLANETARY NEBULA NGC 2346				
FEKEL	FRANCIS C., JR.	GSFC	U. S.	CCFFF
ULTRAVIOLET OBSERVATIONS OF UNUSUAL CHROMOSPHERICALLY ACTIVE GIANT STARS				
FELDMAN	PAUL D.	JOHNS HOPKINS	U. S.	SCFPF
OBSERVATIONS OF COMETS WITH THE INTERNATIONAL ULTRAVIOLET EXPLORER				
FERLAND	GARY J.	KENTUCKY	U. S.	OSFGF
ULTRAVIOLET AND OPTICAL OBSERVATIONS OF 3C 120				
FESEN	ROBERT A.	GSFC	U. S.	NSFRF
UV STUDIES OF TYPE I SNRS IN THE LARGE MAGELLANIC CLOUD				

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NAME	INSTITUTION	COUNTRY	PROG ID	
TITLE				
GALLAGHER	JOHN S. III	ILLINOIS	U. S.	EPFJG
HIGH STAR FORMATION RATE	IRREGULAR GALAXIES AND THE IMF OF MASSIVE STARS			
GARMANY	CATHARINE D.	COLORADO	U. S.	MLFCG
NARROW COMPONENTS IN HOT STAR WINDS				
GIAMPAPA	MARK S.	AURA - SAC PK	U. S.	FSFMG
OBSERVATIONS OF FLARE ACTIVITY ON SELECTED DME FLARE STARS				
GLASSGOLD	A. E.	NEW YORK U.	U. S.	QSFAG
QUASAR EMISSION LINES AND IONIZING RADIATION				
GLASSGOLD	A. E.	NEW YORK U.	U. S.	BLFAG
MULTIFREQUENCY OBSERVATIONS OF BL LAC OBJECTS AND VIOLENTLY VARIABLE QUASARS				
GREEN	RICHARD F.	ARIZONA	U. S.	QSFRG
HIGH DISPERSION QUASAR ABSORPTION SPECTRA				
GREEN	RICHARD F.	ARIZONA	U. S.	HZFRG
HIGH REDSHIFT QUASARS				
GREEN	RICHARD F.	ARIZONA	U. S.	XQFRG
BRIGHT OPTICALLY SELECTED QUASARS WITH HIGH X-RAY FLUX				
GUINAN	EDWARD F.	VILLANOVA	U. S.	CCFEG
COORDINATED ULTRAVIOLET SPECTROSCOPY AND OPTICAL PHOTOMETRY OF FK COMAE				
HAISCH	BERNHARD M.	LOCKHEED	U. S.	CBFBH
IDENTIFICATION OF ACTIVE REGIONS ON THE ECLIPSING BINARY FLARE STAR PAIR YY GEM				
HAISCH	BERNHARD M.	LOCKHEED	U. S.	FSFBH
TEMPORAL EVOLUTION OF UV EMISSION LINES DURING FLARES ON DME STARS				
HAISCH	BERNHARD M.	LOCKHEED	U. S.	LDFBH
A COMPARATIVE STUDY OF DM AND DME STARS				
HALLAM	KENNETH L.	GSFC	U. S.	LDFKH
STELLAR ROTATION AND CHROMOSPHERIC SURFACE DISTRIBUTION				
HARTMANN	LEE W.	CFA - SAO	U. S.	MGFLH
A STUDY OF THE RELATIONSHIP BETWEEN MG II EMISSION AND ROTATION				
HARTMANN	LEE W.	CFA - SAO	U. S.	CCFLH
A STUDY OF CHROMOSPHERIC EMISSION DECAY IN OLD STARS				



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 NASA APPROVED IUE PROGRAMS FOR THE SIXTH YEAR
 

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NAME	TITLE	INSTITUTION	COUNTRY	PROG ID
HECHT	JAMES H. DUST EXTINCTION IN HR 5999	AEROSPACE COR	U. S.	CDFJH
HECKATHORN	JOY NICHOLS HIGH VELOCITY COMPONENTS OF UV INTERSTELLAR LINES IN THE CARINA NEBULA	CSC	U. S.	IGFJH
HOBBS	LOU M. THE DISTRIBUTION OF INTERSTELLAR GAS IN THE GALACTIC HALO	CHICAGO-YRKS	U. S.	GHFLH
HOBBS	LOU M. IUE OBSERVATIONS OF INTERSTELLAR CARBON	CHICAGO-YRKS	U. S.	IGFLH
HODGE	PAUL W. UV OBSERVATIONS OF OB STARS IN NGC 185 AND NGC 205	WASH.	U. S.	EGFPH
HODGE	PAUL W. EVOLUTION OF MASS LOSS IN STARS OF MAGELLANIC CLOUD CLUSTERS	WASH.	U. S.	MLFPH
HOLBERG	JAY B. COMBINED VOYAGER AND IUE ENERGY DISTRIBUTIONS FOR HOT DEGENERATE STARS	USC - ARIZONA	U. S.	HSFJH
HOLBERG	JAY B. HIGH RESOLUTION OBSERVATIONS OF HOT WHITE DWARFS	USC - ARIZONA	U. S.	WDFJH
HOLM	ALBERT V. EXTINCTION IN R CRB VARIABLES	CSC	U. S.	RCFAH
HOLM	ALBERT V. HIGH RESOLUTION SPECTROSCOPY OF WHITE DWARF ACCRETING SYSTEMS	CSC	U. S.	CBFAH
HOLM	ALBERT V. THE 1978 OUTBURST OF WZ SAGITTAE	CSC	U. S.	CVFAH
HONEYCUTT	R. KENT CHROMOSPHERIC ACTIVITY, TIO STRENGTH AND SPECTRAL TYPES IN M GIANTS	INDIANA	U. S.	LGFRH
HUCHRA	JOHN P. ULTRAVIOLET SPECTROPHOTOMETRY OF HOT GALAXIES	CFA - SAO	U. S.	EGFJH
IMHOFF	CATHERINE L. ULTRAVIOLET DATA ON YOUNG STARS RELEVANT TO THE EARTH'S EARLY ATMOSPHERE	CSC	U. S.	STFCI
IMHOFF	CATHERINE L. ULTRAVIOLET OBSERVATIONS OF THE ERUPTIVE PRE-MAIN SEQUENCE STAR FU ORIONIS	CSC	U. S.	PMFCI

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NAME	TITLE	INSTITUTION	COUNTRY	PROG ID
JENKINS	EDWARD B. LYMAN-ALPHA HALOS OF GALAXIES	PRINCETON	U. S.	EHFEJ
JOHNSON	HOLLIS R. STUDIES OF THE ULTRAVIOLET SPECTRA OF CARBON STARS	INDIANA	U. S.	CSFHJ
KAFATOS	MINAS A HIGH RESOLUTION STUDY OF THE JET IN R AQUARI	GEORGE MASON	U. S.	NJFMK
KAFATOS	MINAS ULTRAVIOLET EXTINCTION IN SYMBIOTICS STARS	GEORGE MASON	U. S.	CDFMK
KAFATOS	MINAS OBSERVATIONS OF PECULIAR UV EMISSION IN RX PUPPIS	GEORGE MASON	U. S.	ZAFMK
KALER	JAMES B. CENTRAL STARS OF LARGE PLANETARY NEBULAE	ILLINOIS	U. S.	NPFJK
KEEL	WILLIAM C. WOLF-RAYET STARS IN NGC 5430	AURA - KPNO	U. S.	WRFWK
KIRSHNER	ROBERT P. SUPERNOVA SPECTROSCOPY	MICHIGAN	U. S.	SNFRK
KONDO	YOJI COORDINATED OBSERVATIONS OF BL LACERTAE OBJECTS IN SEVERAL WAVELENGTH REGIONS	GSFC	U. S.	BLFYK
KRISS	GERARD A. HYDROGEN LINE RATIOS IN SEYFERT GALAXIES AND LOW REDSHIFT QUASARS	MICHIGAN	U. S.	OSFGK
LAMBERT	DAVID L. EPSILON AURIGAE IN ECLIPSE	TEXAS	U. S.	VVFDL
LIEBERT	JAMES W. TWO COOL WHITE DWARFS WITH METALLIC LINES	ARIZONA	U. S.	WDFJL
LINSKY	JEFFREY L. MASS LOSS RATES FOR K-M GIANTS AND SUPERGIANTS	COLORADO-JILA	U. S.	MLFJL
LINSKY	JEFFREY L. HIGH RESOLUTION SPECTROSCOPY OF TWO FK COMAE STARS	COLORADO-JILA	U. S.	FKFJL
LINSKY	JEFFREY L. HIGH DISPERSION STUDY OF TWO T TAURI STARS: RU LUPI AND COD-34 7151	COLORADO-JILA	U. S.	TTFJL

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NAME	INSTITUTION	COUNTRY	PROG ID	
TITLE				
LINSKY	JEFFREY L.	COLORADO-JILA	U. S.	AFFJL
THE ROTATION-ACTIVITY CORRELATIONS FOR EARLY F DWARFS				
LINSKY	JEFFREY L.	COLORADO-JILA	U. S.	CSFJL
UV VARIABILITY AND ROTATIONAL MODULATION OF T TAURI STARS				
LINSKY	JEFFREY L.	COLORADO-JILA	U. S.	RSFJL
SURFACE STRUCTURE OF ECLIPSING AND NON-ECLIPSING RS CVN SYSTEMS				
LINSKY	JEFFREY L.	COLORADO-JILA	U. S.	LGFJL
HIGH DISPERSION STUDY OF LUMINOUS COOL STARS				
LINSKY	JEFFREY L.	COLORADO-JILA	U. S.	CCFJL
AN EMISSION MEASURE ANALYSIS OF STARS NEAR THE TRANSITION REGION DIVIDING LINE				
LINSKY	JEFFREY L.	COLORADO-JILA	U. S.	LDFJL
LYMAN ALPHA EMISSION FROM COOL DWARF STARS				
MARAN	STEPHEN P.	GSFC	U. S.	NVFSM
TIME VARIATIONS IN YOUNG PLANETARY NEBULAE OF THE MAGELLANIC CLOUDS				
MARGON	BRUCE	WASH.	U. S.	EHFBM
A SENSITIVE PROBE FOR AN EXTENDED GALAXIAN HALO				
MARGON	BRUCE	WASH.	U. S.	HSFBM
THE NATURE OF THE UV EXCESS OBJECTS WITH MISSING H-ALPHA				
MASSEY	PHILIP L.	DAO	CANADA	MLFPM
STELLAR WINDS IN M31 AND M33				
MCCLUSKEY	GEORGE E.	LEHIGH	U. S.	IBFGM
IUE SPECTROSCOPY OF THE INTERACTING BINARY U SAGITTAE				
MICHALITSIANOS	ANDREW G.	GSFC	U. S.	NJFAM
LOW DISPERSION UV OBSERVATIONS OF THE R AQUARIJ JET				
MILLER	H. RICHARD	GEORGIA ST.	U. S.	QSFHM
IUE OBSERVATIONS OF ACTIVE GALACTIC NUCLEI				
MILLER	JOSEPH S.	CAL S CRUZ	U. S.	EGFJM
ULTRAVIOLET SPECTROPHOTOMETRY OF "NORMAL" SPIRAL GALAXIES				
MOORE	RICHARD L.	CIT	U. S.	QSFRM
UV/OPTICAL/IR SPECTROPOLARIMETRY OF LOW AND HIGH POLARIZATION QUASARS				

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 NASA APPROVED IUE PROGRAMS FOR THE SIXTH YEAR
 

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NAME	INSTITUTION	COUNTRY	PROG ID
MOORE	RICHARD L. CIT	U. S.	EQFRM
UV/OPTICAL/IR SPECTROPOLARIMETRY OF LOW POLARIZATION QUASARS			
MOOS	H. WARREN	JOHNS HOPKINS	U. S.
STUDY OF ULTRAVIOLET EMISSIONS FROM SATURN, URANUS AND NEPTUNE			
MOOS	H. WARREN	JOHNS HOPKINS	U. S.
STUDY OF SPATIAL AND TEMPORAL VARIATIONS IN JOVIAN ULTRAVIOLET EMISSIONS			
MOOS	H. WARREN	JOHNS HOPKINS	U. S.
STUDY OF THE TORUS OF IO USING THE IUE			
MORRISON	NANCY D.	TOLEDO	U. S.
THE ULTRAVIOLET ENERGY DISTRIBUTION OF PHI CASSIOPEIAE			
MORRISON	NANCY D.	TOLEDO	U. S.
A-TYPE SUPERGIANTS: THREE UNIQUE SPECTRA			
MULLAN	DERMOTT J.	DELAWARE	U. S.
STATISTICS OF MASS LOSS FLUCTUATIONS IN COOL GIANTS			
NELSON	ROBERT M.	JPL	U. S.
UV SPECTROPHOTOMETRY OF THE GALILEAN SATELLITES, SATURNIAN SATELLITES & SELECTED ASTEROIDS			
NOUSEK	JOHN A.	PENN ST.	U. S.
BLUE SOFT X-RAY CANDIDATES			
NOUSEK	JOHN A.	PENN ST.	U. S.
NEWLY DISCOVERED AM HER SYSTEMS: E2003 + 223 AND E1405-451			
OKE	JOHN BEVERLY	CIT	U. S.
IUE OBSERVATIONS OF VARIABLE TYPE 1 SEYFERT GALAXIES			
OLIVERSEN	NANCY A.	CSC	U. S.
THE GEOMETRIC STRUCTURE OF ECLIPSING SYMBIOTIC BINARIES			
PANEK	ROBERT J.	CSC	U. S.
UV STUDY OF GAS AND DUST IN ORION			
PANEK	ROBERT J.	CSC	U. S.
VARIABILITY OF THE AP SI STARS			
PANEK	ROBERT J.	CSC	U. S.
OUTBURST RISE OF DWARF NOVAE			

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 NASA APPROVED IUE PROGRAMS FOR THE SIXTH YEAR
 

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NAME	INSTITUTION	COUNTRY	PROG ID
TITLE			
PARSONS	SIDNEY B.	GSFC	U. S.
MASS RATIOS OF BINARY STARS WITH LUMINOUS COOL PRIMARIES AND HOT SECONDARIES			HCFSP
PARSONS	SIDNEY B.	GSFC	U. S.
CHROMOSPHERES OF TYPE I AND TYPE II CEPHEIDS OF LONG PERIOD			DCFSP
PARSONS	SIDNEY B.	GSFC	U. S.
HD 207739 AND OTHER STRANGE F + B BINARY STARS			IBFSP
PATTERSON	JOSEPH	CFA - SAO	U. S.
ACCRETION DISK PARAMETERS IN CATAclySMIC VARIABLES			CVFJP
PLAVEC	MIREK J.	CAL LA	U. S.
INTERACTING BINARY STARS OF THE W SERPENTIS TYPE			CBFMP
RAYMOND	JOHN C.	CFA - SAO	U. S.
DEEP EXPOSURES ON THE CYGNUS LOOP			NSFJR
RAYMOND	JOHN C.	CFA - SAO	U. S.
THE TRANSITION TO RADIATIVE SHOCKS IN THE CYGNUS LOOP			NFFJR
RAYMOND	JOHN C.	CFA - SAO	U. S.
WHITE DWARFS AND THE INTERSTELLAR MEDIUM			IGFJR
RAYMOND	JOHN C.	CFA - SAO	U. S.
HIGH DISPERSION STUDY OF HZ HECULIS			XBFJR
RAYMOND	JOHN C.	CFA - SAO	U. S.
DEVELOPMENT OF P CYGNI PROFILES IN DWARF NOVA OUTBURST			CVFJR
REICHERT	GAIL A.	GSFC	U. S.
ULTRAVIOLET STUDIES OF X-RAY SELECTED ACTIVE GALACTIC NUCLEI			XGFGR
RUDY	RICHARD J.	ARIZONA	U. S.
LYMAN ALPHA OBSERVATIONS OF SEYFERT 1.8 AND 1.9 GALAXIES			QSFRR
RUDY	RICHARD J.	ARIZONA	U. S.
HYDROGEN LINES AND FEII EMISSION IN BROAD-LINE RADIO GALAXIES			RGFRR
RUMPL	WILLIAM M.	CSC	U. S.
AN INVESTIGATION OF THE BINARY NATURE OF THE WOLF-RAYET STAR HD 50896			WRFWR
SARGENT	WALLACE L. W.	CIT	U. S.
COORDINATED OBSERVATIONS OF VARIABILITY IN BRIGHT SEYFERT 1 GALAXIES			QSFWS

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 NASA APPROVED IUE PROGRAMS FOR THE SIXTH YEAR
 

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NAME	INSTITUTION	COUNTRY	PROG ID
TITLE			
SARGENT	WALLACE L. W. CIT	U. S.	ESFWS
ULTRAVIOLET AND OPTICAL VARIABILITY IN BRIGHT SEYFERT 1 GALAXIES			
SARGENT	WALLACE L. W. CIT	U. S.	EHFWS
LONG EXPOSURE OBSERVATIONS OF EXTRAGALACTIC OBJECTS			
SAVAGE	BLAIR D. WISCONSIN	U. S.	EHFBS
CONTINUED STUDIES OF MAGELLANIC CLOUD HALO GAS			
SAVAGE	BLAIR D. WISCONSIN	U. S.	HSFBS
AN INVESTIGATION OF GLOBAL SPECTRAL PECULIARITIES IN THE NGC 6231 MAIN SEQUENCE B STARS			
SAVAGE	BLAIR D. WISCONSIN	U. S.	IGFBS
THE GALACTIC DISTRIBUTION OF HIGHLY IONIZED GAS			
SAVAGE	BLAIR D. WISCONSIN	U. S.	GHFBS
INVESTIGATION OF MOTIONS IN THE GASEOUS GALACTIC HALO			
SAVAGE	BLAIR D. WISCONSIN	U. S.	IEFBS
A STUDY OF EXTINCTION IN THE LARGE MAGELLANIC CLOUD			
SAVAGE	BLAIR D. WISCONSIN	U. S.	OBFBS
CONTINUA AND EXTINCTION OF OB STARS IN CLUSTERS			
SCHWARTZ	RICHARD D. MISSOURI-ST.L	U. S.	HHFRS
ULTRAVIOLET OBSERVATIONS OF LOW EXCITATION HERBIG-HARO OBJECTS			
SHAW	J. SCOTT GEORGIA	U. S.	WDFJS
IUE OBSERVATIONS OF THE RS CVN - WHITE DWARF BINARY DH LEO			
SHIPMAN	HARRY L. DELAWARE	U. S.	WDFHS
CARBON AND SILICON IN THE HELIUM WHITE DWARF GD 40			
SHORE	STEVEN N. CASE W.R.	U. S.	HEFSS
SPECTROPHOTOMETRY OF HELIUM PECULIAR STARS			
SHULL	J. MICHAEL COLORADO-JILA	U. S.	IGFJS
IUE INTERSTELLAR OBSERVATIONS			
SHULL	J. MICHAEL COLORADO-JILA	U. S.	IMFJS
STELLAR AND INTERSTELLAR STUDIES WITH IUE ARCHIVES			
SHULL	J. MICHAEL COLORADO-JILA	U. S.	HHFJS
IUE OBSERVATIONS OF HERBIG-HARO OBJECTS			

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 NASA APPROVED IUE PROGRAMS FOR THE SIXTH YEAR
 

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NAME	INSTITUTION	COUNTRY	PROG ID	
TITLE				
SIMON	THEODORE	HAWAII	U. S.	CCFTS
A STUDY OF YELLOW GIANTS IN THE HERTZSPRUNG GAP				
SIMON	THEODORE	HAWAII	U. S.	RSFTS
CHROMOSPHERIC ACTIVITY AND BINARY INTERACTION IN 39 CETI				
SIMON	THEODORE	HAWAII	U. S.	STFTS
A STUDY OF TWO, YOUNG, SOLAR - TYPE STARS				
SION	EDWARD M.	VILLANOVA	U. S.	HSFES
HIGH RESOLUTION ULTRAVIOLET OBSERVATIONS OF HOT SUBDWARF B STARS				
SION	EDWARD M.	VILLANOVA	U. S.	HEFES
ULTRAVIOLET STUDIES OF THE VERY HOT, PULSATING HELIUM-RICH "PG1159" DEGENERATE STARS				
SION	EDWARD M.	VILLANOVA	U. S.	CVFES
CONTINUED ULTRAVIOLET STUDIES OF UX URSA MAJORIS STARS				
SITKO	MICHAEL L.	MINNESOTA	U. S.	QSFMS
MULTIFREQUENCY OBSERVATIONS OF STRONG 1-MM SOURCES				
SLETTEBAK	ARNE	OHIO ST.	U. S.	LBFAS
ULTRAVIOLET OBSERVATIONS OF BRIGHT LAMBDA BOOTIS STARS				
SNOW	THEODORE P., JR	COLORADO-LASP	U. S.	BEFTS
A SURVEY OF VARIABILITY IN BE STARS				
SNOW	THEODORE P., JR	COLORADO-LASP	U. S.	HSFTS
A STUDY OF MODERATE IONIZATION IN BE STAR WINDS				
SNOW	THEODORE P., JR	COLORADO-LASP	U. S.	IMFTS
INTERSTELLAR LINES AND ULTRAVIOLET EXTINCTION IN DARK CLOUDS				
SNOW	THEODORE P., JR	COLORADO-LASP	U. S.	OBFTS
STELLAR WINDS IN B AND BE STARS				
SODERBLOM	DAVID R.	CFA - SAO	U. S.	CCFDS
ULTRAVIOLET STUDIES OF STARS IN A PLEIADES MOVING GROUP				
SODERBLOM	DAVID R.	CFA - SAO	U. S.	LDFDS
ROTATIONAL PERIODS OF ALPHA CENTAURI A AND B				
SONNEBORN	GEORGE	CSC	U. S.	OBFGS
ROTATIONAL BROADENING OF PHOTOSPHERIC LINES IN MAIN-SEQUENCE B STARS				

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 NASA APPROVED IUE PROGRAMS FOR THE SIXTH YEAR
 

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NAME	INSTITUTION	COUNTRY	PROG ID	
TITLE				
STARRFIELD	SUMNER G.	ARIZONA ST.	U. S.	CVFSS
ULTRAVIOLET OBSERVATIONS OF GALACTIC NOVAE IN OUTBURST				
STONER	RONALD E.	BOWLING GREEN	U. S.	QSFRS
ANALYSIS OF TIME VARIABILITY OF EMISSION LINES IN SEYFERT 1 GALAXIES AS FOUND IN IUE DATA				
STURCH	CONRAD R.	CSC	U. S.	DCFCS
ULTRAVIOLET OBSERVATIONS OF THREE DWARF CEPHEIDS				
SZKODY	PAULA	WASH.	U. S.	CBFPS
A STUDY OF 4 NEW AM HER VARIABLES				
SZKODY	PAULA	WASH.	U. S.	CVFPS
EXTENDED OUTBURST/HIGH EXCITATION CATAclySMIC VARIABLES				
SZKODY	PAULA	WASH.	U. S.	ZAFPS
A STUDY OF THE ORBITAL VARIABILITY OF Z CAM				
TORRES-PEIMBERT SILVIA		U.N.A. DE MEX	MEXICO	NPFST
HIGH DISPERSION UV SPECTROSCOPY OF THE PLANETARY NEBULA NGC 3918				
TREMAINE	SCOTT D.	MIT	U. S.	GHFST
THE EXTENT OF A HOT GASEOUS GALACTIC HALO				
TURNSEK	DAVID A.	PITTSBURGH	U. S.	QSFDT
LYMAN CONTINUUM OBSERVATIONS OF BROAD ABSORPTION LINE QSOs				
UNDERHILL	ANNE B.	GSFC	U. S.	SGFAU
SPOTTED SURFACES ON LUMINOUS EARLY-TYPE STARS				
WALDRON	WAYNE	DELAWARE	U. S.	CCFWW
CORONAL EFFECTS ON THE WINDS OF EARLY TYPE STARS				
WEEDMAN	DANIEL W.	PENN ST.	U. S.	QSFOW
STAR FORMATION IN NGC 1068				
WEGNER	GARY A.	DARTMOUTH	U. S.	WDFGW
A SEARCH FOR METAL LINES IN THE ULTRAVIOLET SPECTRA OF WHITE DWARFS				
WILLS	BEVERLEY J.	TEXAS	U. S.	QSFOW
THE CONTINUUM ENERGY DISTRIBUTIONS OF INTERMEDIATE REDSHIFT QUASARS				
WING	ROBERT F.	OHIO ST.	U. S.	CSFRW
A SEARCH FOR MOLECULAR ABSORPTION FEATURES IN THE PHOTOSPHERIC SPECTRA OF COOL STARS				



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 NASA APPROVED IUE PROGRAMS FOR THE SIXTH YEAR
 

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NAME	INSTITUTION	COUNTRY	PROG ID	
TITLE				
WOOTTEN	H. ALWYN	NRAO	U. S.	NPFHW
INVESTIGATION OF NEUTRAL CIRCUMNEBULAR MATERIAL IN PLANETARY NEBULAE				
WORDEN	SIMON P.	AIR FORCE SP.	U. S.	CCFSW
COORDINATED MAGNETIC AND CHROMOSPHERIC/CORONAL SYNOPTIC OBSERVATIONS				
WORRALL	DIANA M.	CAL SAN DIEGO	U. S.	BLFDW
COORDINATED MULTIFREQUENCY OBSERVATIONS OF VARIABLE AGNS				
WU	CHI-CHAO	CSC	U. S.	NSFCW
ULTRAVIOLET OBSERVATIONS OF THE BLUE STAR PROJECTED IN THE REMNANT OF SUPERNOVA AD1006				
WU	CHI-CHAO	CSC	U. S.	CVFCW
TARGET OF OPPORTUNITY OBSERVATIONS OF NOVA AND X-RAY NOVA				
WU	CHI-CHAO	CSC	U. S.	HSFCW
PHOTOMETRIC STANDARDS FOR SPACE TELESCOPE INSTRUMENTS				
WU	CHI-CHAO	CSC	U. S.	MLFCW
SHORT TIME VARIATIONS IN THE MASS-LOSS RATE OF EARLY TYPE STARS				
WU	CHI-CHAO	CSC	U. S.	QSFCW
UV OBSERVATIONS OF LOW REDSHIFT QUASARS				
YORK	DONALD G.	CHICAGO	U. S.	IGFDY
DISTANCES OF 21 CM HIGH VELOCITY (OORT) CLOUDS				
YORK	DONALD G.	CHICAGO	U. S.	EHF DY
ABSORPTION MEASURE OF GAS IN GALACTIC HALOS				
ZINN	ROBERT	YALE	U. S.	GCFRZ
INTEGRATED SPECTRA OF GLOBULAR CLUSTERS IN M31 AND THE FORNAX DWARF GALAXY				
ZOLCINSKI	MARIE-CHRISTIN	W CONNECTICUT	U. S.	CCFMZ
IUE SURVEY OF HYADES STARS, PART IV: THE K AND M DWARFS				